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BUCHANAN INGERSOLL PC
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Pittsburgh, PA 15222



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of : PATENT APPLICATION

WELLER et al. : MAGNETIC RECORDING

Serial No.: unassigned : MEDIA HAVING SELF ORGANIZED

Filed: herewith :

#3
*D. G.
2-9-02*

INFORMATION DISCLOSURE STATEMENT

Pittsburgh, Pennsylvania 15219

Box DD
Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Applicants submit herewith information of which they are aware which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 C.F.R. § 1.56. While this Information Disclosure Statement may be "material" pursuant to 37 C.F.R. § 1.56, it is not intended to constitute an admission that any patent, publication, or other information referred to herein is "prior art" for the above-identified invention unless specifically designated as such. In accordance with 37 C.F.R. §§ 1.97(g)-(h), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information exists, as defined in 37 C.F.R. § 1.56(a).

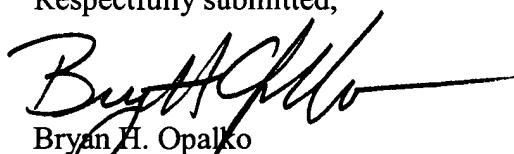
Jc997 U.S. PTO
10/005244
12/03/01



Submitted herewith is a copy of each reference, together with a Form PTO-1449 listing the art provided herewith.

This Information Disclosure Statement is being filed within three (3) months from the filing date of the above-identified application and, accordingly, it is believed that no fee is required. *See* 37 C.F.R. § 1.97(b)(1). However, if a fee is required for any reason, please charge Deposit Account No. 02-4553 the necessary amount.

Respectfully submitted,



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Dated: 12-3-01

Attorney for Applicants

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Substitute for form 1449A/PTO				<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	unassigned
				Filing Date	herewith
				First Named Inventor	Weller et al.
				Art Unit	
				Examiner Name	
Sheet	1	of	3	Attorney Docket Number	010949

Examiner Signature		Date Considered	
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***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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 12/03/01



Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 3

Complete if Known

Application Number	unassigned
Filing Date	herewith
First Named Inventor	Weller et al
Group Art Unit	
Examiner Name	
Attorney Docket Number	010949

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher city and/or country where published	T ²
		S.H. CHARAP, PU-LING LU and YANJUN HE Thermal Stability of Recorded Information at High Densities IEEE Transactions on Magnetics, Vol. 33, No. 1, January 1997	
		Hitachi Develops World Highest Density HD April 5, 2000 Reuters Company News	
		Read-Rite First Shatter 50 Gigabit Per Square Inch Areal Density Barrier, March 30, 2000, PR Newswire	
		Fujitsu Develops HDD Media Technology with Potential for 300 Gb/sq. inch Recording Density; 56 Gb/sq.in. Recording Density Already Demonstrated, April 6, 2000 Business Wire	
		H.N. BERTRAM and M. WILLIAMS SNR and Density Limit Estimates: A Comparison of Longitudinal and Perpendicular Recording IEEE Transactions on Magnetics, Vol. 36, No. 1, January 2000	
		DIETER WELLER, ANDREAS MOSER, LIESL FOLKS, MARGARET E. BEST, WEN LEE, MIKE F. TONEY, M. SCHWICKERT, JAN-ULRICH THIELE and MARY F. DOERNER High K Materials Approach to 100 Gbits/in ² IEEE Transactions on Magnetics, Vol. 36, No. 1, January 2000	

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